



rollingunit.com

The unique lightweight fold out vehicle that allows for more expandable space without compromising interior space in transport.

The Clever alternative for big, heavy expensive trucks trailers and traditional slide outs.

Endless opportunities



CUSTOM SPECIAL PURPOSE &
SPECIALTY VEHICLES



L TRAILER



XL TRAILER



XL HOOKLIFT CONTAINER



XL TRUCK

Benefits

Expandable Space Without Losing Transport Volume

- Rolling Unit systems provide up to approx. 33 m² of operational space while maintaining full interior usability in transport mode.
- Unlike traditional slide-out systems, the fold-out extensions do not intrude into the interior. They fold externally into a compact side package, leaving the full interior width available during transport.
- This allows fixed installations, equipment and furniture to remain secured inside the unit. No additional transport vehicle is required to carry interior components separately — reducing logistics, setup time and fleet complexity.
- The result is true dual-mode functionality: full transport volume on the road and expanded workspace on site — without compromise.



Mobility Without Heavy Truck Limitations

O2 trailer versions (up to 3,500 kg) require a BE driving license.

- No heavy truck (C/CE) license requirement
- No tachograph in most applications
- No heavy commercial vehicle classification
- Access to areas restricted to large trucks
- Professional mobile infrastructure without the operational burden of a heavy truck platform



Easier Licensing & Practical Maneuverability

Truck-based models in the C1 category are built on van-based platforms rather than full heavy trucks.

- Easier license requirements compared to full truck categories
- Familiar driving characteristics
- Better maneuverability in urban and confined areas
- Lower operator training threshold



Rapid Deployment

Rolling Unit systems are designed for fast setup and pack-down.

- Hydraulic leveling models can be operational in as little as 3 minutes
- Single-operator deployment possible
- No complex slide-out mechanics
- Reduced manpower and faster readiness



Energy Efficiency & Sustainable Operation

Rolling Unit shelters are insulated with approximately 50 mm XPS foam in walls, roof and floor.

Combined with a high-efficiency heat pump (COP up to 5), energy for heating and cooling is used very efficiently.

- Reduced energy consumption
- Stable interior climate year-round
- Lower operating emissions

Optional solar integration. Supports low-emission and partially or fully off-grid operation depending on configuration.



Modular & Lifecycle-Oriented Design

The expandable shelter is a modular container structure mounted to the chassis.

- Chassis replacement without replacing the shelter
- Renewal due to high mileage
- Adaptation to updated emission standards
- Fleet modernization without losing the core asset
- Designed as long-term mobile infrastructure, not short-term equipment



Year-Round Operation

Designed for operation in varied climate conditions.

- Insulated construction
- Integrated heat pump for heating and cooling
- Optional diesel heater for extended off-grid cold-climate use

Reliable performance in winter and summer conditions.



Lower Maintenance & Operating Costs

Built on:

- O2 category trailer chassis
- C1 van-based truck platforms

Compared to heavy truck or semi-trailer systems, this results in:

- Lower maintenance costs
- More economical spare parts
- Lower tire and brake replacement costs
- Reduced insurance and servicing expenses

Using smaller towing vehicles or van-based platforms also reduces fuel consumption, CO₂ emissions and overall operating costs.



Technical Flexibility

Expandable shelter can be mounted on:

- O2 trailer chassis
- O3 trailer chassis
- Van-based truck platforms
- Hooklift systems

Custom Special Purpose & Specialty Vehicles

We design and build custom special purpose vehicles and specialty mobile solutions for demanding operational environments. From expandable and slide-out systems to fully integrated vehicle builds, our solutions enable functional mobile workspaces wherever they are needed.



*Scan to
watch video*



Core Capabilities

Our capabilities include the development of:

- Medical vehicles and mobile clinics
- Mobile laboratory trucks
- Command and control vehicles (ELW/ Einsatzleitwagen)
- Broadcast and OB trucks (Ü-Wagen)
- Field offices and mobile workspaces
- Expandable and slide-out truck bodies
- Hooklift containers and modular systems

We build both trailer-based and truck-based solutions, selecting the most effective platform based on your operational requirements.

Unlike traditional vehicle builders, we combine:

- Expandable architecture
- Slide-out systems
- Lightweight and heavy-duty platforms
- Autonomous energy solutions (generator, battery, solar)

If your project requires a custom-built vehicle or mobile solution, we support you from concept to delivery, including engineering, production, and integration.





L Trailer

Lightweight and expandable 3.5t towed trailer with 24 m² space. Designed for professional mobile operations where simplicity, payload efficiency, and access matter. Manual one-person setup, no hydraulics, BE driving licence (EU). Ideal for urban and restricted access.

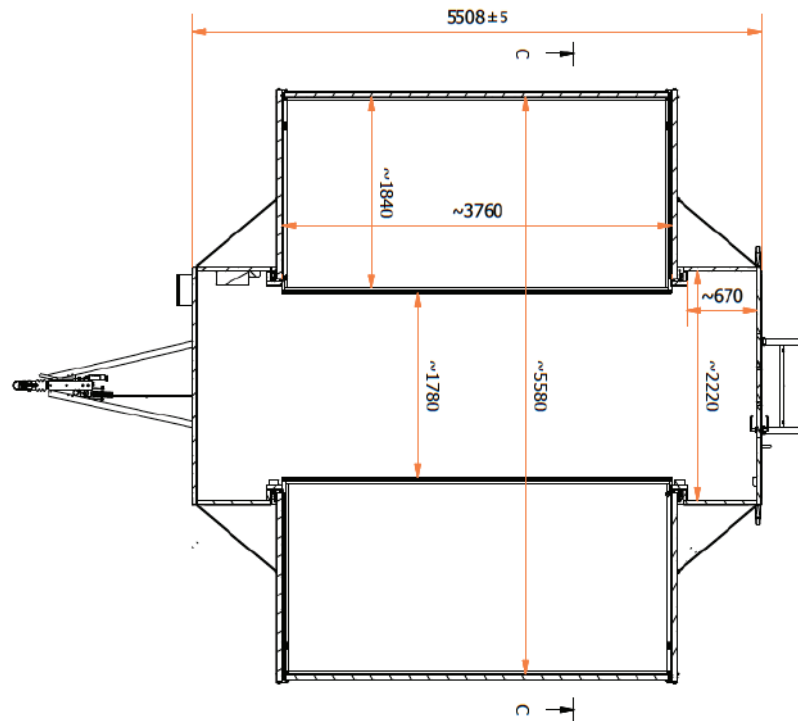


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Specification

Gross weight:	3500 kg
Load capacity:	up to 1000 kg
Total length:	7200 mm
Height:	3000 mm
Width in transport:	2312 mm
Width when opened:	6100 mm
Insulation:	50 mm XPS
Floor area when expanded:	~24 m²
Operating temperature:	from -34°C to +50°C
Deployment and repack time:	8 minutes
Description:	Standard trailer without any furniture. Trailer has big window in both openable side-wall.
Equipment:	Climate control, dimmable lighting, ventilation unit with heat exchanger, manual leveling legs.







XL Trailer

This is the full size trailer with almost 30 m² of space and beautiful and modern design which was developed with the promotion Industry in mind. It features outside RGB lights that can be adjusted in color and brightness to match the brand you are promoting. Other focus was to keep the operation costs low; it still is towable with BE category license and only one person is required to set it up, setup is done in under 5 minutes.

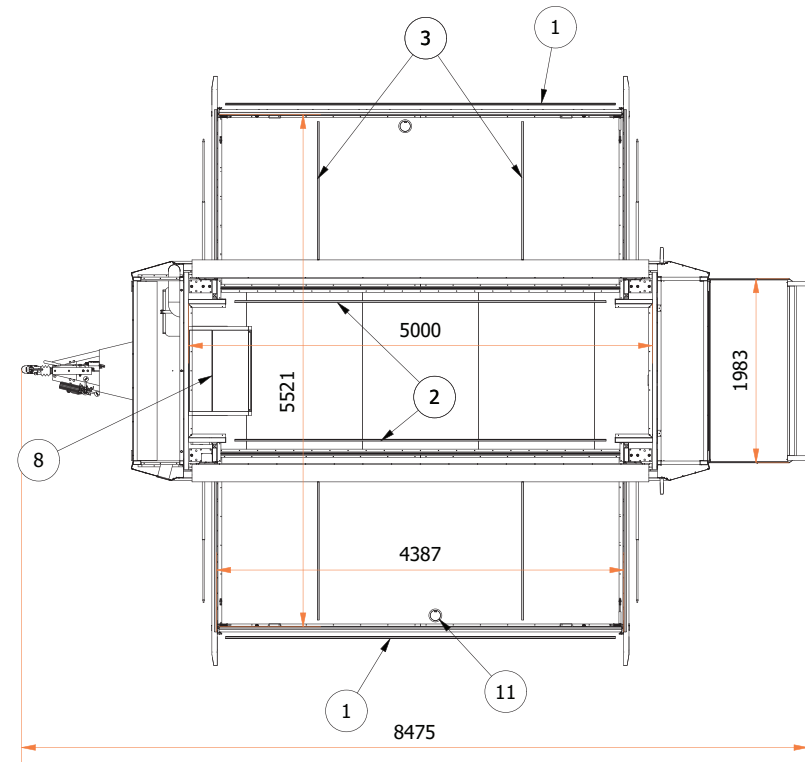


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Specification

Gross weight:	3500 kg
Load capacity:	up to 500 kg
Total length:	7417 mm
Height:	3074 mm
Width in transport:	2392 mm
Width when opened:	7158 mm
Insulation:	50 mm XPS
Floor area when expanded:	~28 m ²
Operating temperature:	from -34°C to +50°C
Deployment and repack time:	5 minutes
Description:	Standard trailer without any furniture. Trailer has big window in both openable side-wall.
Equipment:	Climate control, dimmable lighting, ventilation uni, automatic leveling, exterior RGB led.







XL Hooklift Container

An expandable mobile hooklift container system designed for maximum payload, logistics flexibility, and low-level access. Expanding to up to 30 m², it can be transported using any standard hooklift or multilift truck, making it a highly flexible alternative to trailers or permanently mounted truck bodies.

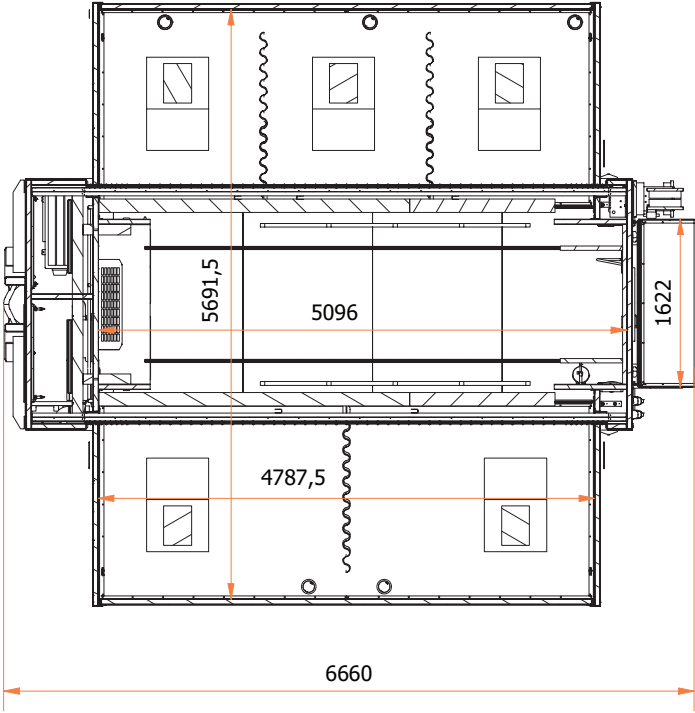
More info at

<https://rollingunit.com/vehicles/xl-hooklift-container/>



Specification

Gross weight:	6000 kg
Load capacity:	up to 2000 kg
Total length:	6660 mm
Height:	2599 mm
Width in transport:	2392 mm
Width when opened:	6668 mm
Insulation:	50 mm XPS
Floor area when expanded:	~30 m²
Operating temperature:	from -34°C to +50°C
Deployment and repack time:	5 minutes
Description:	Standard trailer without any furniture.
Equipment:	Climate control, dimmable lighting, ventilation uni, automatic leveling.







XL Truck

The biggest truck version of our lineup. It offers 33 m² of expanded space. While the design might not be as refined as on the XL trailer the sheer size and height of the unit will impress you and your customers. For example, the interior height is 2,4 m. Additional benefit of using the truck is that gives you added Mobility and a huge payload of 2 tons that will satisfy most if not all promotional needs in terms of payload.

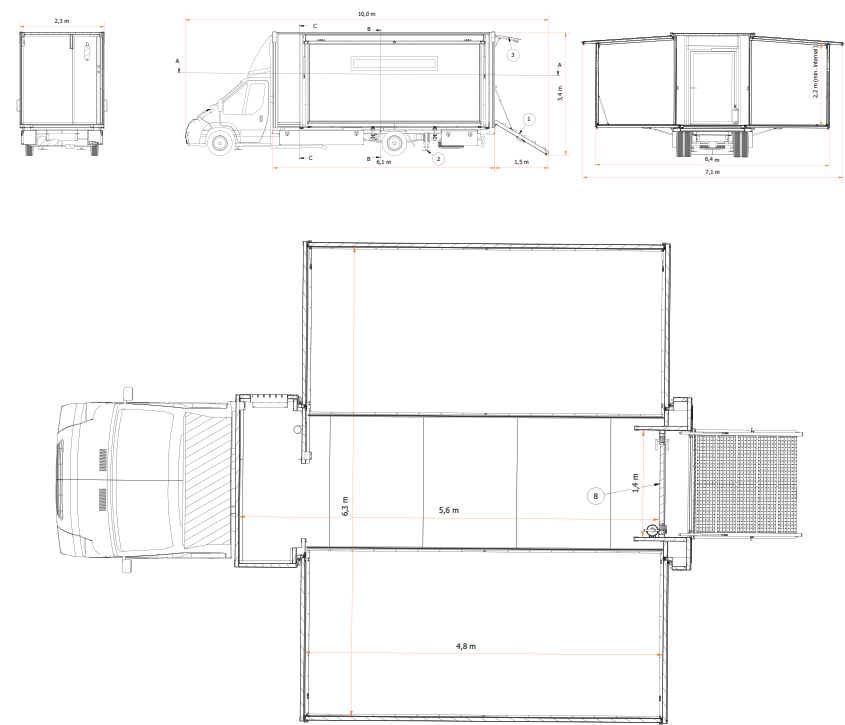


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Specification

Gross weight:	7200 kg
Load capacity:	up to 2600 kg
Total length:	8713 mm
Height:	3500 mm
Width in transport:	2312 mm
Width when opened:	7100 mm
Insulation:	50 mm XPS
Floor area when expanded:	~33 m²
Operating temperature:	from -34°C to +50°C
Deployment and repack time:	5 minutes
Description:	Standard truck without any furniture. Full size truck version. Compared to the L truck it has 9 additional square meters and 20 cm added height. Additional separation walls can be added to form separate rooms. Automated levelling system is included.
Equipment:	Climate control, dimmable lighting, ventilation unit, automatic leveling.







ASB Vienna Mobile First Aid Stations

Expandable Medical Units for Emergency Response

Rolling Unit developed two mobile first aid stations for the Arbeiter-Samariter-Bund (ASB) in Vienna, designed for rapid deployment during mass gatherings and emergency situations.

The project included two different platforms: an expandable XL trailer and an XL hooklift container, both configured to deliver fully functional medical capabilities directly on-site.

Each unit is equipped with an integrated oxygen supply system and multiple treatment stations, allowing simultaneous care for up to six patients. The interior layout is divided by curtain systems, ensuring efficient workflow and patient separation.

In addition, the units include dedicated positions capable of supporting intensive care treatment, significantly extending their operational capability beyond standard first aid stations.

The result is a highly flexible and rapidly deployable mobile medical solution, suitable for disaster response, large public events, and temporary medical infrastructure.



Mini Digi Hub Mobile Digital Lab

Expandable Digital Training & Innovation Unit

Rolling Unit developed the Mobile Digital Lab as part of the Mini Digi Hub project, an ambitious cross-border initiative led by Dundalk Institute of Technology (DkIT) to bring digital innovation and skills directly to communities.

The project required a fully mobile solution capable of delivering digital training, immersive technologies, and collaborative workspaces to schools, businesses, and rural areas where access to such infrastructure is limited.

To meet these requirements, Rolling Unit engineered a custom expandable mobile unit that combines increased

interior workspace with integrated systems for education, demonstrations, and hands-on training. The unit is equipped to support technologies such as VR, high-performance computing, and creative production tools, enabling flexible use across multiple locations.

By combining mobility with advanced digital equipment, the Mobile Digital Lab acts as a roving innovation hub, helping to bridge the digital divide and support regional development through education, collaboration, and technology access.



Estonian Rescue Board Mobile Command Vehicle

Expandable Command & Control Truck

Rolling Unit developed a fully integrated mobile command vehicle for the Estonian Rescue Board, designed to serve as a rapid-response on-site command and coordination center during emergencies and crisis situations.

The vehicle was engineered as a complete mobile command environment, combining an expandable slide-out system with multiple dedicated work areas, including a command room, meeting room, technical room, and support facilities. This enables coordinated decision-making and communication directly at the incident site.

The system is designed for fast deployment by a single operator, allowing the unit to be fully operational within minutes. Once deployed, it provides a stable and ergonomic workspace for up to 20 personnel, supporting complex, multi-agency operations.

Built for reliability in harsh environments, the unit operates in temperatures ranging from -30°C to $+35^{\circ}\text{C}$.

The result is a highly capable mobile command and control platform, enabling efficient coordination of rescue operations, crisis management, and large-scale emergency response scenarios.



Mobilise Mobile Laboratory

Expandable Laboratory Truck

Rolling Unit developed the expandable Mobilise mobile laboratory as part of an international project focused on rapid-response diagnostics and field testing capabilities.

The project required a fully functional mobile laboratory environment that could be deployed quickly while maintaining high standards for insulation, climate control, and operational reliability in varying conditions.

To meet these requirements, Rolling Unit engineered an expandable laboratory truck providing increased interior workspace, integrated systems, and an efficient layout for laboratory equipment and personnel. All equipment can be transported securely inside the unit and deployed on-site within minutes.

The unit is designed for off-grid operation, featuring up to 3.5 kW of solar power generation, an 11 kWh onboard battery system, and a generator, enabling reliable operation even in remote or infrastructure-limited environments.

The result is a field-ready mobile laboratory solution that enables flexible and reliable operation for research, testing, and emergency response applications.



Estonian Biathlon Association

Ski-service Truck

3-in-1 XL Truck mounted on an Iveco Daily chassis to form a unique ski-service vehicle that rivals facilities employed by top national teams. A better value for the money, with less than half the carbon print of a full semi-trailer.

The internal height minimum 2,2 m allows for that even that the longest cross country skies can be stored in an upright position in the unit. Additionally, the layout is flexible and can be rearranged for different tasks.





MARU DEFENCE

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PÄÄSTE
LASNAMÄE

PÄÄSTE

323 RTW



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MDSC Systems OÜ specialises in designing and manufacturing mobile and relocatable solutions for military, rescue and medical use. We began as an affiliate of AS Maru Metall and have been operating independently under the name of MDSC Systems OÜ since 2015.